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CLAIMS

1. An interventional procedure simulation system, comprising a control unit and an interface unit, said control unit communicating with said interface unit to simulate

5 handling of at least one instrument interfaced by said interface unit, characterised in that said instrument is a self expanding tool inserted inside a simulated vessel and simulated with respect to a set value representing an stiffness of said vessel, a rest diameter of said self expanding tool, a vessel initial inner diameter and spring constant

10 for said tool.

2. The system of claim 1, wherein said instrument is a stent.

3. The system of claim 1, wherein said instrument is a distal protection device.

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4. The system of claim 3, wherein said distal protection device (30) comprises a substantially double cone (31, 32) attached at two ends to a wire (33), and covered by a sheath.

20 5. The system of claim 4, wherein a distal part of one cone is a net (31) for simulating catching particles that can be set free during an intervention simulation.

6. A method of simulating in an interventional procedure simulation system, comprising a control unit and an interface unit, said control unit communicating with said interface

25 unit to simulate handling of at least one instrument interfaced by said interface unit, the method comprising:
   - providing a said instrument as a self expanding tool inserted inside a simulated vessel, and
   - simulating said instrument with respect to a set value representing an stiffness of

30   said vessel, a rest diameter of said self expanding tool, a vessel initial inner diameter and spring constant for said tool.